

RECEIVED

MAR 21 2003

TECH CENTER 1600/2900

PTO/SB03A (10-01)

Approved for use through 10/31/2002. OMB 0651-0031

U.S. Patent and Trademark Office, U.S. DEPARTMENT OF COMMERCE

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it displays a valid OMB control number.

Substitute for form 1449A/PTO			Complete if Known		
INFORMATION DISCLOSURE STATEMENT BY APPLICANT (use as many sheets as necessary)			Application Number	09/936,954	
			Filing Date	3/16/1999	
			First Named Inventor	Small	
			Art Unit	1645	
			Examiner Name	Unknown	
Sheet	1	of	2	Attorney Docket Number	UF1561A

U.S. PATENT DOCUMENTS					
Examiner Initials*	Cite No. ¹	Document Number	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		Number - Kind Code ² (if known)			
J		US-5,369,007	11-29-1994	Kidwell	
		US-5,200,321	04-06-1993	Kidwell	
		US-5,910,421	06-08-1999	Small et al.	
		US-4,968,633	11-06-1990	Marcucci	
		US-5,643,202	07-01-1997	Gravenstein et al.	
		US-5,777,888	07-07-1998	Rine et al.	
		US-			
		US-			
		US-			
		US-			
		US-			
		US-			
		US-			
		US-			
		US-			
		US-			

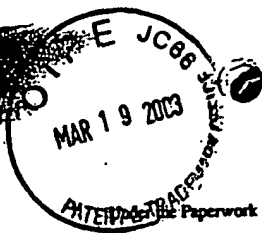
FOREIGN PATENT DOCUMENTS						
Examiner initials*	Cite No. ¹	Foreign Patent Document	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear	†
		Country Code ³ - Number ⁴ - Kind Code ⁵ (if known)				
RA		WO 0055359A	09-21-2000	University of Florida		
RE		FR 2784023A	04-07-2000	Michel Gleizes		

Examiner Signature	R. G. L. OMER	Date Considered	8/16/05
--------------------	---------------	-----------------	---------

*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

¹Applicant's unique citation designation number (optional). ²See Kinds Codes of USPTO Patent Documents at www.uspto.gov or MPEP 901.04. ³Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). ⁴For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. ⁵Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST. 16 if possible. [†]Applicant is to place a check mark here if English language translation is attached.

Burden Hour Statement: This form is estimated to take 2.0 hours to complete. Time will vary depending upon the needs of the individual case. Any comments on the amount of time you are required to complete this form should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, Washington, DC 20231. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Assistant Commissioner for Patents, Washington, DC 20231.



MAR 21 2003

TECH CENTER 1600/2900

PTO/SB/08B (10-01)

Approved for use through 10/31/2002 - OMB 0651-0031
U.S. Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE
Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it displays a valid OMB control number.

Substitute for form 1449B/PTO		Complete if Known	
INFORMATION DISCLOSURE STATEMENT BY APPLICANT (use as many sheets as necessary)		Application Number	09/936,954
		Filing Date	3/16/1999
		First Named Inventor	Small
		Group Art Unit	1645
		Examiner Name	Unknown
		Attorney Docket Number	UF1561A
Sheet	2		2

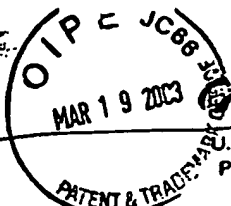
OTHER PRIOR ART - NON PATENT LITERATURE DOCUMENTS			
Examiner Initials*	Cite No.	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T ²
RG		LANS, D.M. et al., "Nasal Eosinophilia in Allergic and Nonallergic Rhinitis: Usefulness of the Nasal Smear in the Diagnosis of Allergic Rhinitis", Allergy Proceedings, July 4, 1989, Vol. 10 No. 4 pp. 275-280, Ocean Side Publications, USA.	
RG		NACLERIO, R.M. et al., "Mediator Release After Nasal Airway Challenge with Allergen 1-4", American Review of Respiratory Diseases, October 4, 1983, Vol. 28, No. 4 pp. 597-602, USA.	

Examiner Signature	RG L. Tomen	Date Considered	8/16/05
--------------------	-------------	-----------------	---------

*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

¹Applicant's unique citation designation number (optional). ²Applicant is to place a check mark here if English language Translation is attached.

Burden Hour Statement: This form is estimated to take 2.0 hours to complete. Time will vary depending upon the needs of the individual case. Any comments on the amount of time you are required to complete this form should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, Washington, DC 20231. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Assistant Commissioner for Patents, Washington, DC 20231



COPY

Sheet 1 of 7

INFORMATION DISCLOSURE STATEMENT
(Use several sheets if necessary)U.S. DEPARTMENT OF COMMERCE
PATENT AND TRADEMARK OFFICEATTY. DOCKET NO.
UF156SERIAL NO.
08/576,604

APPLICANT(S) Parker A. Small, Jr., Shih-Wen Huang

FILING DATE
December 21, 1995GROUP
1208

U.S. PATENT DOCUMENTS

*EXAMINER INITIAL		DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE
RG	AA	3 4 3 8 7 3 7	4/15/69	Atkinson et al.			
	AB	4 3 0 1 1 1 5	11/17/81	Rapkin et al.			
	AC	4 6 3 7 9 7 9	1/20/87	Skjold et al.			
	AD	4 6 4 5 8 4 2	2/24/87	Corey			
	AE	4 6 5 7 8 5 5	4/14/87	Corey et al.			
	AF	4 7 0 4 4 6 0	11/3/87	Corey			
	AG	4 7 5 8 5 0 8	7/19/88	Schnabel et al.			
	AH	3 3 5 9 0 7 2	12/19/67	Rey et al.			
	AI	3 4 1 8 0 7 9	12/24/68	Rey et al.			
	AJ	3 7 1 2 8 5 3	1/23/73	Rittersdorf et al.			
	AK	3 8 9 7 2 1 4	7/29/75	Lange et al.			

RECEIVED

MAR 21 2003

TECH CENTER 1600/2900

FOREIGN PATENT DOCUMENTS

		DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUBCLASS	TRANSLATION	
							YES	NO
	AL							
	AM							
	AN							
	AO							
	AP							

OTHER PRIOR ART (Including Author, Title, Date, Pertinent Pages, Etc.)

RG	AR	Service, R.F. (1995) "Antibiotics that Resist Resistance" Science 270:724-727.
RG	AS	Wang, D. et al. (1995) "Correlations between Complaints, Inflammatory Cells and Mediator Concentrations in Nasal Secretions after Nasal Allergen Challenge and during Natural Allergen Exposure" Int. Arch. Allergy Immunol. 106:278-285.
RG	AT	Sigurs, N. et al. (1994) "Eosinophil cationic protein in nasal secretion and in serum and myeloperoxidase in serum in respiratory syncytial virus bronchiolitis: relation to asthma and atopy" Acta. Paediatr. 83:1151-1155.

EXAMINER

R. G. Lomen

DATE CONSIDERED

8/16/05

*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

O I P E J C B E
MAR 19 2003U.S. DEPARTMENT OF COMMERCE
PATENT AND TRADEMARK OFFICEATTY. DOCKET NO.
UF156SERIAL NO.
08/576,604

Sheet 2 of 7

INFORMATION DISCLOSURE STATEMENT
(See Patent & Trademark Office Manual, Part 1, Section 1.1, for instructions if necessary)

APPLICANT(S) Parker A. Small, Jr., Shih-Wen Huang

FILING DATE
December 21, 1995GROUP
1208

U.S. PATENT DOCUMENTS

*EXAMINER INITIAL		DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE
RG	AA	3 8 0 2 8 4 2	4/9/74	Lange et al.			
	AB	4 0 1 3 4 1 6	3/22/77	Rattersdorf et al.			
	AC	4 3 8 5 1 1 4	5/24/83	Guthlein et al.			
	AD						
	AE						
	AF						
	AG						
	AH						
	AI						
	AJ						
	AK						

RECEIVED

MAR 21 2003

TECH CENTER 1600/2900

FOREIGN PATENT DOCUMENTS

		DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUBCLASS	TRANSLATION	
							YES	NO
	AL							
	AM							
	AN							
	AO							
	AP							

OTHER PRIOR ART (Including Author, Title, Date, Pertinent Pages, Etc.)

RG	AR	Okuda, M. et al. (1994) "A Novel Method of Counting Eosinophils in Nasal Secretion of Allergic Rhinitis by Hemocytometric Method" Int. Arch. Allergy Immunol. 104:6-8.
	AS	Grzegorezyk, K.M.L. et al. (1993) "Neutrophil chemotactic activity (NCA) in nasal secretions from atopic and nonatopic subjects" Allergy 48:409-414.
	AT	Igarashi, Y. et al. (1993) "Immunodeficiency and other clinical immunology: Analysis of nasal secretions during experimental rhinovirus upper respiratory infections" J. Allergy Clin. Immunol. 92:722-731.

EXAMINER

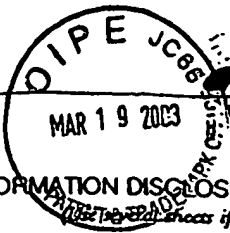
RG LITOMEN

DATE CONSIDERED

8/16/05

*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

PTO-1449
REV. 7-80)



U.S. DEPARTMENT OF COMMERCE
PATENT AND TRADEMARK OFFICE

ATTY. DOCKET NO.
UF156

SERIAL NO.
08/576,604

Sheet 3 of 7

INFORMATION DISCLOSURE STATEMENT

(See instructions on back of this form if necessary)

APPLICANT(S): Parker A. Small, Jr., Shih-Wen Huang

FILING DATE
December 21, 1995

GROUP
1208

U.S. PATENT DOCUMENTS

*EXAMINER INITIAL	DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE
AA						
AB						
AC						
AD						
AE						
AF						
AG						
AH						
AI						
AJ						
AK						

RECEIVED

MAR 21 2003

TECH CENTER 1600/2900

FOREIGN PATENT DOCUMENTS

	DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUBCLASS	TRANSLATION	
						YES	NO
AL							
AM							
AN							
AO							
AP							

OTHER PRIOR ART (Including Author, Title, Date, Pertinent Pages, Etc.)

RG	AR	Sperber, K. et al. (1993) "In vivo detection of a novel macrophage-derived protein involved in the regulation of nasal mucus-like glycoconjugate secretion" J. Allergy Clin. Immunol. 92:585-588.
RG	AS	Knani, J. et al. (1992) "Indirect evidence of nasal inflammation assessed by titration of inflammatory mediators and enumeration of cells in nasal secretions of patients with chronic rhinitis" J. Allergy Clin. Immunol. 90:880-889.
RG	AT	Klementsson, H. et al. (1991) "Eosinophils, secretory responsiveness and glucocorticoid-induced effects on the nasal mucosa during a weak pollen season" Clinical and Experimental Allergy 21:705-710.

EXAMINER

R. GILMONT

DATE CONSIDERED

8/14/05

*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

PTO-1449
 REV. 7-80

 O I P E J C
 MAR 19 2003

 U.S. DEPARTMENT OF COMMERCE
 PATENT AND TRADEMARK OFFICE

 ATTY. DOCKET NO.
 UF156

 SERIAL NO.
 08/576,604

INFORMATION DISCLOSURE STATEMENT

(Indicate by block if necessary)

APPLICANT(S): Parker A. Small, Jr., Shih-Wen Huang

 FILING DATE
 December 21, 1995

 GROUP
 1208

U.S. PATENT DOCUMENTS

*EXAMINER INITIAL		DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE
	AA						
	AB						
	AC						
	AD						
	AE						
	AF						
	AG						
	AH						
	AI						
	AJ						
	AK						

RECEIVED

MAR 21 2003

TECH CENTER 600/2900

FOREIGN PATENT DOCUMENTS

		DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUBCLASS	TRANSLATION	
							YES	NO
	AL							
	AM							
	AN							
	AO							
	AP							

OTHER PRIOR ART (Including Author, Title, Date, Periodic Pages, Etc.)

126	AR	Raphael, G.D. et al. (1991) "The pathophysiology of rhinitis" J. Allergy Clin. Immunol. 88:33-42
↓	AS	Cohen, R.A., E.P. Brestel (1988) "Nasal secretory response to allergen provocation" Clinical Allergy 18:435-443.
↓	AT	Liu, C.-M., M. Okuda (1988) "Injurious effect of eosinophil extract on the human nasal mucosa" Rhinology 26:121-132.

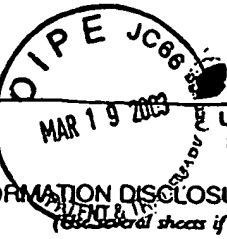
EXAMINER

126 GUTMANN

DATE CONSIDERED

8/16/05

*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.



U.S. DEPARTMENT OF COMMERCE
PATENT AND TRADEMARK OFFICE

ATTY. DOCKET NO.
UF156

SERIAL NO.
08/576,604

INFORMATION DISCLOSURE STATEMENT
(See several sheets if necessary)

APPLICANT(S): Parker A. Small, Jr., Shih-Wen Huang

FILING DATE
December 21, 1995

GROUP
1208

U.S. PATENT DOCUMENTS

*EXAMINER INITIAL		DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE
	AA						
	AB						
	AC						
	AD						
	AE						
	AF						
	AG						
	AH						
	AI						
	AJ						
	AK						

RECEIVED

MAR 21 2003

TECH CENTER 1600/2900

FOREIGN PATENT DOCUMENTS

		DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUBCLASS	TRANSLATION	
							YES	NO
	AL							
	AM							
	AN							
	AO							
	AP							

OTHER PRIOR ART (Including Author, Title, Date, Pertinent Pages, Etc.)

25	AR	Andersson, M. et al. (1987) 'Allergen-induced nasal hyperactivity appears unrelated to the size of the nasal and dermal immediate allergic reaction' Allergy 42:631-637.
✓	AS	Settipane, G.A., D.E. Klein (1985) 'Non Allergic Rhinitis: Demography of Eosinophils in Nasal Smear, Blood Total Eosinophil Counts and IgE Levels' NER Allergy Proc. 6(4):363-366.
✓	AT	Brofeldt, S. et al. (1986) 'Biochemical Analysis of Nasal Secretions Induced by Methacholine, Histamine, and Allergen Provocations' Am. Rev. Respir. Dis. 133:1136-1142.

EXAMINER

R GILSON

DATE CONSIDERED

8/16/05

*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

Form PTO-1449
(REV. 7-80)

INFORMATION DISCLOSURE STATEMENT

(Return with this form if necessary)

U.S. DEPARTMENT OF COMMERCE
PATENT AND TRADEMARK OFFICEATTY. DOCKET NO.
UF156SERIAL NO.
08/576,604

APPLICANT(S): Parker A. Small, Jr., Shih-Wen Huang

FILING DATE
December 21, 1995GROUP
1208

U.S. PATENT DOCUMENTS

*EXAMINER INITIAL		DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE
	AA						
	AB						
	AC						
	AD						
	AE						
	AF						
	AG						
	AH						
	AI						
	AJ						
	AK						

RECEIVED

MAR 21 2003

TECH CENTER 1600/2000

FOREIGN PATENT DOCUMENTS

		DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUBCLASS	TRANSLATION	
							YES	NO
	AL							
	AM							
	AN							
	AO							
	AP							

OTHER PRIOR ART (Including Author, Title, Date, Pertinent Pages, Etc.)

✓	AR	Eggleston, P.A. et al. (1984) "Mediators of Immediate Hypersensitivity in Nasal Secretions during Natural Colds and Rhinovirus Infection" Acta. Otolaryngol (Stockh) suppl. 413:25-35.
✓	AS	Baumgarten, C.R. et al. (1986) "Plasma Kallikrein during Experimentally Induced Allergic Rhinitis: Role in Kinin Formation and Contribution to TAME-esterase Activity in Nasal Secretions" The Journal of Immunology 137(3):977-982.
✓	AT	Andersson, M. et al. (1995) "Mechanisms of nasal hyper-reactivity" Eur. Arch. Otorhinolaryngol 252 (Suppl. 1):S22-S26.

EXAMINER

R. GIDOMEN

DATE CONSIDERED

8/16/05

*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

Form PTO-1449
(REV. 7-80)

MAR 19 2003

U.S. DEPARTMENT OF COMMERCE
PATENT AND TRADEMARK OFFICEATTY. DOCKET NO.
UF156SERIAL NO.
08/576,604

INFORMATION DISCLOSURE STATEMENT

(Use several sheets if necessary)

APPLICANT(S) Parker A. Small, Jr., Shih-Wen Huang

FILING DATE
December 21, 1995GROUP
1208

U.S. PATENT DOCUMENTS

*EXAMINER INITIAL		DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE
	AA						
	AB						
	AC						
	AD						
	AE						
	AF						
	AG						
	AH						
	AI						
	AJ						
	AK						

RECEIVED

MAR 21 2003

TECH CENTER 1600/2900

FOREIGN PATENT DOCUMENTS

		DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUBCLASS	TRANSLATION	
							YES	NO
	AL							
	AM							
	AN							
	AO							
	AP							

OTHER PRIOR ART (Including Author, Title, Date, Pertinent Pages, Etc.)

RG	AR	Florman, A.L. et al. (1987) 'Rapid Noninvasive Techniques for Determining Etiology of Bronchitis and Pneumonia in Infants and Children' Clinics in Chest Medicine 8(4):669-679.
L	AS	Katz, R.M. et al. (1995) 'A Comparison of Imaging Techniques in Patients with Chronic Sinusitis (X-ray, MRI, A-Mode Ultrasound)' Allergy Proc. 16(3):123-127.
L	AT	Demoly, P. et al. (1994) 'Assessment of inflammation in noninfectious chronic maxillary sinusitis' J. Allergy Clin. Immunol. 94:95-108.

EXAMINER

R GUTOWEN

DATE CONSIDERED

8/16/05

*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.